

SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

ipe Project
SANCA

29 APR 1970

MEMORANDUM FOR: Chief, Information Processing Staff, OPPB

SUBJECT : Update of Inventory of Community Information Handling Systems

REFERENCE : Memo dtd 24 April 1970 (PPB 70-0789) same subj.

1. The EPIC and SANCA System Descriptions received as attachment to the referent memorandum have been reviewed and coordinated with the DD/S offices concerned. The description of the EPIC system is current, and should be used in preparing the Inventory update. The SANCA description is valid except for Sections F and H which should be changed as follows:

Section F. System Functions -- SANCA is an automated index to personnel security records. IBM 2260 and IBM 2741 remote terminals are used to query the data base of formatted indices to security reports and investigations. The system also uses regular batch input and output techniques.

Section H. Hardware -- IBM 360/67, IBM 2314 Disk, IBM 2260 and 2741 (remote terminals).

2. We have no new systems to add. We have considered again the suggestion that the Message Automated Exchange (MAX) systems be added to the inventory and confirm our earlier conclusion that they are not appropriate for inclusion in a listing of this type. MAX is a part of a communications system and is not an Intelligence Information Handling System in the context of the inventory.

25X1A

Chief, Support Services Staff

DDS/SSS/LWM:skd (29 April 1970)

Distribution:

Orig - Addressee
1 - SSS Subject
1 - SSS Chrono

5020000

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

844100100
SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

SECRET

29 April 1970

MEMORANDUM FOR: Chief, Support Services Staff

SUBJECT : Update of SANCA Entry in IHC Inventory of
Community Information Handling Systems

1. In response to your request of 28 April 1970 for updated information of entries in the IHC Inventory of Community Information Handling Systems, the description of the SANCA system is in need of modification.

2. The description of SANCA on page 67 of the Inventory is accurate with the exception of Sections "F" and "H." These sections should be reworded as follows:

Section F. System Functions -- SANCA is an automated index to personnel security records. IBM 2260 and IBM 2741 remote terminals are used to query the data base of formatted indices to security reports and investigations. The system also uses regular batch input and output techniques.

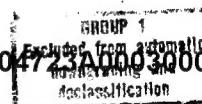
Section H. Hardware -- IBM 360/67, IBM 2314 Disk, IBM 2260 and 2741 (remote terminals).

25X1A



Chief, Information Processing Branch
Executive and Planning Division
Office of Security

SECRET



24 APR 1970

MEMORANDUM FOR: A/D/DCI/NIPE
Directorate Information Processing Coordinators

SUBJECT : Update of Inventory of Community Information
Handling Systems

1. Please review and update the attached System Descriptions for the Inventory of Community Information Handling Systems which pertain to your area. The purpose of the inventory is to briefly describe information systems being used by intelligence agencies. It is not necessary that a system be used jointly by several members of the Community in order to be included. Consideration should be given to adding further systems to the inventory, e.g., Message Automated Exchange (MAX).

2. Revised and new copies of the System Descriptions should be returned to the IP Staff, O/PPB, by 30 April 1970.

25X1A

(signature)

CIA Member, IHC

0000000

(Downgraded to Official Use Only -
Upon Removal of Attachments)

25X1A

IHC-D-123/13
20 April 1970

UNITED STATES INTELLIGENCE BOARD
INTELLIGENCE INFORMATION HANDLING COMMITTEE

MEMORANDUM FOR: IHC Members

SUBJECT: Update of Inventory of Community Information
Handling Systems

REFERENCE: IHC-D-123/10.1, dated 9 January 1970, Subject:
Inventory of Community Information Handling Systems

1. An update of the Inventory report (Attachment to the Reference) is being prepared. It will include (a) System Descriptions for five systems which are being added to the Inventory, (b) any appropriate changes to the analysis in the report and (c) changes in existing System Descriptions to bring them up to date.

2. It is requested, therefore, that each sponsoring component review the System Descriptions enclosed in the Attachment, make any changes required and return the corrected copies to the IHC Support Staff by 1 May 1970. It is requested that particular care be taken in reviewing systems categorized as Information Storage and Retrieval Systems (IS&RS), Management Information Systems (MIS) or Models. These are the categories to which the five additional systems belong and they will be given special attention in preparing the update.

Executive Secretary

Attachment:
As stated

Distribution List:
IHC Members

S-E-C-R-E-T

25X1A

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

Attachment
INC-D-123/13

CINS Systems Inventory Data Sheets for:

Time-Sharing Systems Monitor
Central Automatic Processing and Retrieval of Intelligence
CRS Information Storage and Retrieval
Integrated Information System
Document Control System
Legal Travel System
Name Grouping Systems
Security Automated Name Check Activity ✓
Special Index Systems
QUIKTRAK
Target Oriented Display System
Automatic Dissemination
FMSAC Information Handling System
Automatic Small Scale Mapping System
Electronic Processing for Intelligence Composition ✓
Econometric Model
Strategic Arsenal Exchange Model
Strategic Cost Analysis Model

CONFIDENTIAL

25X1

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

- 67 -

Inventory
IS&RS/CIA

- A. SYSTEM TITLE AND ACRONYM -- Security Automated Name Check Activity (SANCA)
- B. SPONSORING ORGANIZATION -- CIA (DDS/OS)
- C. PROJECT CONTACT OFFICER --
- D. TYPE OF SYSTEM -- IS&RS/Biographic Data
- E. STATUS -- Operational
- F. SYSTEM FUNCTIONS -- SANCA is an automated index to personnel security records. An IBM 2260 remote terminal can be used to query the data base of formatted indices to security reports and investigations. The system also uses regular batch input and output techniques.
- G. USERS -- CIA (DDS/OS)
- H. HARDWARE -- IBM 360/65, IBM Data Cell and IBM 2260 (remote terminals).
- I. SOFTWARE -- IBM 360 Operating System. TSMON (p. 35) is used for timesharing queries from remote terminals. System is written in ALC.
- J. MODE OF OPERATION -- Batch and timesharing (on-line).
- K. FILE SECURITY CLASSIFICATION -- Top Secret
- L. SYSTEM DESCRIPTION SECURITY CLASSIFICATION -- Confidential

STATINTL

25X1

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

- 141 -

Inventory
GDS/CIA

- A. SYSTEM TITLE AND ACRONYM -- Electronic Processing for Intelligence Composition (EPIC)
- B. SPONSORING ORGANIZATION -- CIA (DDS/PSD)
- C. PROJECT CONTACT OFFICER --
- D. TYPE OF SYSTEM -- Graphic Display
- E. STATUS -- Operational
- F. SYSTEM FUNCTIONS -- Textual data from CIA's Office of Basic and Geographic Intelligence, after conversion to magnetic tape, is processed by formatting, line justification, and iterative proofing routines to provide an input (in punched paper tape) to an automatic photo composer. The photo composer provides a film of the page to be printed, from which an off-set mat is produced. Since the National Intelligence Survey is the principal user of the system, a historical file of elements of the NIS is available on magnetic tape.
- G. USERS -- CIA (PSD)
- H. HARDWARE -- Input equipment can be paper-tape producing keyboards, such as the Duro-writer and LCC's, or the Magnetic Tape Selectric Typewriter, whose output requires conversion to computer-compatible mag tape on the CDC Digit-Data. Input and output processing is by a Spectra 70/35 which produces a paper tape which drives a Photon 713 photo composer. The main programs must be run on series 360 IBM equipment.
- I. SOFTWARE -- IBM 360 Operating System. Written in COBOL, except for the "translation" routines which are written in ALC.

STATINTL

- 142 -

- J. MODE OF OPERATION -- Batch
- K. FILE SECURITY CLASSIFICATION -- Up to Secret
- L. SYSTEM DESCRIPTION SECURITY CLASSIFICATION -- Unclassified

SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

29 APR 1970

MEMORANDUM FOR: Chief, Information Processing Staff, OPPB
SUBJECT : Update of Inventory of Community Information
Handling Systems
REFERENCE : Memo dtd 24 April 1970 (PPB 70-0789) same subj.

1. The EPIC and SANCA System Descriptions received as attachment to the referent memorandum have been reviewed and coordinated with the DD/S offices concerned. The description of the EPIC system is current, and should be used in preparing the Inventory update. The SANCA description is valid except for Sections F and H which should be changed as follows:

Section F. System Functions -- SANCA is an automated index to personnel security records. IBM 2260 and IBM 2741 remote terminals are used to query the data base of formatted indices to security reports and investigations. The system also uses regular batch input and output techniques.

Section H. Hardware -- IBM 360/67, IBM 2314 Disk, IBM 2260 and 2741 (remote terminals).

2. We have no new systems to add. We have considered again the suggestion that the Message Automated Exchange (MAX) systems be added to the inventory and confirm our earlier conclusion that they are not appropriate for inclusion in a listing of this type. MAX is a part of a communications system and is not an Intelligence Information Handling System in the context of the inventory.

25X1A

/s/

Chief, Support Services Staff

DDS/SSS/LWM:skd (29 April 1970)
Distribution:

Orig - Addressee
1 - SSS Subject
1 - SSS Chrono

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

SECRET



1PC
SANCA

26 FEB 1970

MEMORANDUM FOR: Chief, Information Processing Branch/E&PD
THROUGH : Deputy Director, Personnel Security
SUBJECT : Comments on OCS File Handling Proposal

1. The Security Records and Communications Division feels that the overall plan to use the 360/65-3 for multiple-terminal file handling applications is a good plan that will probably result in improving our service.

2. We are concerned with the statements in paragraph 2b of the attached planning paper which indicates that COINS will again be blocking full access to SANCA and SPECLE. It is our understanding that COINS must run in a dedicated TSMON environment even if the security problems are solved.

3. This Division has been able but not without some difficulty to live with the COINS problem under the SANCA system. The SPECLE interactive system, however, will be used for certifying clearances in response to priority inquiries from both Agency and non-Agency requestors. Planned down-time cannot be tolerated in the SPECLE system unless we are content with having a dual manual/computer system. This to us seems ill-advised and would result in our inability to respond to inquiries from the Community on a timely basis. It has been our experience with interactive systems that unscheduled down-time is enough of a problem to contend with.

25X1A

Chief, Security Records and
Communications Division

Attachment:
As Stated

1120000

844100100

GROUP 1
Excluded from automatic
downgrading and
declassification

MEMORANDUM FOR THE RECORD

SUBJECT: SANCA

25X1A

25X1A

1. On Thursday 29 January 1970 I met with [redacted] and [redacted] at their request to discuss the continuing problem they are having with the unsatisfactory service the SANCA system is experiencing. The dissatisfactions and problems remain the same as they were when we discussed this several weeks ago. The Office of Computer Services has experimented with some modifications and variations in the software but none of these have been successful. At best they have offered a temporary and very short term relief.

25X1A

2. At the present time the SANCA system is "up" less than half the time. The Office of Security is doing about half of its priority searches manually; others are being accumulated for processing during the intermittent periods when SANCA is "up". When it is operational service is erratic and unpredictable. The time required to run a search varies between two seconds and eight minutes.

3. [redacted] made available to me copies of the minutes of meetings held by the Interactive Services Users Group dating back to October 1969 which reflect repeated expressions of concern by representatives of several of the user components. The minutes of the 26 November 1969 meeting of the Users Group say that the "general consensus was that the new times were good for COINS users and better for CMS users. TSMON users probably had some slight degradation. [redacted] left the statement that he was still getting only four hours of up-time for SANCA. A comment was made to the effect that TSMON users were adversely affected when either TSMON or CP went down; thus, had a high probability of failures. The RID representative commented that they had about a four hour up-time on their TSMON terminals." The minutes of the 10 December 1969 meeting of the Computer Users Group contained a statement that "a general discussion was held as to the interactive services. Obviously, the users generally were very disgruntled. [redacted] mentioned that we had had a combination of many hardware and software problems. One user pointed out that if an interactive system went down five to six times in a day it was worse than not having any service since the interruption caused loss of data sets, and an interactive user might finish the day with zero production. Some users felt very strongly that on the assumption that the 2260 Code was causing software problems, that they should be removed from the system. They felt that the 2741 users should not suffer because of the bad 2260 Code. The general consensus was that changes had to be

25X1A

25X1A

8120000

844100100

SECRET



SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

25X1A

made because the system was practically inoperative." The same minutes say [] cited some statistics on SANCA up-time; 3 December - 50 minutes, 4 December - 4 hours 7 minutes, 5 December - 5 hours 10 minutes, 8 December - 3 hours 30 minutes, 9 December - 3 hours 50 minutes, 10 December - only 5 successful queries up to 3:30. He also mentioned the lack of 2260 support under CMS." The minutes of the 7 January 1970 meeting say that "users complained of response and, in particular, cited last Monday. There was no disagreement as to the 'poorness' of the system regarding reliability and timeliness. Many suggestions were offered and noted.

25X1A

[] OCS, stated that OCS would begin to do some experimenting to tune the system. Analysis of response on Monday showed several ways to improve response. Also, a drum was being added, etc. etc. In general, everyone agreed that the status of the interactive services was critical." The minutes of the 21 January 1970 meeting of the Computer Users Group reflect additional complaints and expressions of dissatisfaction by the users, with particular note that [] lodged another complaint.

25X1A

25X1A

4. The Security representatives continue to be uneasy about the attitude they feel OCS has evidenced. They feel that OCS is not committed to rendering the kind of service the Office of Security requires and that furnishing satisfactory service to the scientific users enjoys a higher order of priority and interest in OCS than does the successful operation of SANCA. Security feels that if OCS were really committed to solving the SANCA problem it would have been solved before now. They see nothing in any of the actions already taken or planned by OCS which offers them hope that they will ever again enjoy the quality of instantaneous response they were getting when the SANCA first went operational, or even that there will be any appreciable improvement in the present unsatisfactory service. Suggestions of ways to deal with the problem offered by some of the people in OCS are disputed by other representatives of OCS. In particular, some people in OCS urge that SANCA be converted from TSMON to CP/CMS as a means of coping with the service problem while other members of OCS are equally convinced that such a change-over will offer virtually no relief.

5. Under these circumstances the Office of Security is very much concerned that the SPECLE system will not operate in a manner which is responsive to its requirement for instantaneous response. [] says that the SPECLE query language has been completed and the update programs are being tested. They expect it will be at least a couple of months before SPECLE is operational. If the software problems have not been satisfactorily resolved by then it will not be possible for SPECLE to operate. SPECLE is being written to operate under CP/CMS. There are at least as many people in OCS who feel that SPECLE will not operate satisfactorily under CP/CMS as there are those who feel that it will.

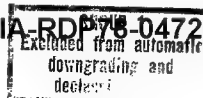
25X1

8150000

844100100

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

SECRET



SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

25X1A

6. I assured the Security people that I would discuss the while problem of OCS support to the Office of Security with [redacted] in search of some reasonable solution.

/s/

[redacted]
Chief, Support Services Staff

25X1A

Attachments

SSS/DDS/RHM:mjk (9 Feb 70)

Distribution

Orig - DD/S Subject

1 - DD/S Chrono

2 - SSS

AI00000

3

844100100

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

declassification

IPC - Projects
SANCA

~~SECRET~~
Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

23 October 1969

MEMORANDUM FOR THE RECORD

SUBJECT: SANCA

25X1A

1. On 9 October 1969 I received a memorandum from [redacted] Chief, Security Records and Communications Division, addressed to the Chief, Management Support Division, OCS describing a serious degradation in SANCA service. On Monday, 13 October, I met with [redacted] to discuss this problem.

25X1A

2. The SANCA system has been operating under TSMON, a time-sharing monitor software package. On the 6 of October version 1 of a new software package, CP/CMS (Control Program/Cambridge Monitor System) was installed and the service to the SANCA system was seriously degraded immediately. Searches which require split seconds under TSMON averaged 5 minutes under CP/CMS and have taken as long as 12-15 minutes. As a result, Security has reverted to conducting manual searches to respond to priority requests during the day. The searches which are batched and run over night are still being delivered on schedule the following morning.

3. The OCS plan to change from TSMON to CP/CMS had been discussed by the interactive services group but, while they knew there would be some degradation in the service to TSMON users, they were completely unprepared for its seriousness. Consequently customers were not prepared and the first impact was felt at the console when CP/CMS was put into operation. There are promises that the service will improve but no one knows when or how much. CP/CMS does not use the data cell effectively. Consequently SANCA will have to be moved to some other storage media, probably the disc pack. At the time I talked with Security, OCS had not given them any estimate of how long it would take to complete this change over. Security is also concerned that the impact the CP/CMS system will have on the new SPECLE system. They are feeling frustrated because they had been given no evidence that any action was being taken, or that their problem was being considered seriously, and they had no indication of what was going to be done or when they might expect relief. They are concerned with the indefiniteness of the unsatisfactory service because they have rearranged all of their index files into compacted space, they don't have people to assign to handle the daily searches manually, and even if they did the

~~SECRET~~
Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

~~SECRET~~

space housing the index is so constricted that additional personnel couldn't move around as they would need to in order to accomplish the searches.

25X1A

4. I met with [] Acting Director of Computer Services, on Thursday morning 16 October and he described at some length the way the interactive services system works and why the TSMON users suffer. He acknowledged that their estimates of the impact on TSMON users had been woefully inadequate and had no explanation for it. OCS is committed, however, to the use of CP/CMS because they believe it offers a very high potential for making maximum effective use of the hardware. They have already had plaudits from many of their customers who use it, all of whom are in the scientific arena.

25X1A

5. [] described actions they had taken and were proposing to take to improve the SANCA service as soon as possible. He proposed to adjust the time slice allocated to TSMON under CP/CMS expecting that to help. An experiment with this was being tried while we were talking. Later in the day I talked with [] in SR&CD and he told me that service had improved significantly from 11:30 until 1:30 but it deteriorated rapidly thereafter as more CP/CMS users came on the air after lunch. [] said it would take 6-8 months to adjust the SANCA system to operate under CMS and there was no way he could guarantee the quality of service Security would get in the meantime. I said that I thought that might be unacceptable and asked what he could do if it was. He said they might have to bring in another piece of hardware temporarily and would do that if all else failed.

25X1A

25X1A

6. I observed that customers felt OCS might not have done all they could to prepare their customers for the impact of the changeover. [] acknowledged that customers had been ill-prepared but said OCS people were not prepared themselves for the disparity between their estimates and the actual experience. He said they had been testing CP/CMS for several weeks and felt they had evaluated it as thoroughly as they could in a test environment and reached the point where they had to put it into operation to find out what it would really do.

25X1A

25X1A

25X1A 7. I reported the results of this conversation to [] and [] The Office of Security is temporarily mollified by the fact the OCS is evidencing concern with their problem and not regarding them as second-class customers as they had feared might be the case; and by the fact that OCS is actively trying to do something about it. They remain concerned about the impact this changeover in the monitoring system will have on the SPECLE system under development, acknowledging that they have no alternative but to accept the assurances they have been given. There is also the concern that resources

~~SECRET~~

that would otherwise be available to SIPS will have to be used to accomplish the changeover of both SANCA and SPECLE.

25X1A



Chief, Support Services Staff

1 October 1969

MEMORANDUM FOR: Information Processing Coordinators

SUBJECT : Policy on Development of OCS Interactive Services

1. It is my intention to establish procedures in OCS to ensure that users are provided with interactive services that are responsive to their needs, reasonably stable, and reliable. The development of these services must and will continue in order to meet new user requirements, but I feel priority must be given to making the initial group of services work well. Consequently:

a. On 6 October, Version 1 of the System will be implemented on an operational basis. The services available on that date are described in the OCS Interactive Services User's Guide. Generally they will include those services which were previously available under TSMON plus new facilities under the Cambridge Monitor System and the APL programming system.

b. While Version 1 is in operation, development will proceed in parallel on Version 2 to correct weaknesses and to provide some new facilities. I will soon publish a list of the changes that can be expected in Version 2 and a target date for operational status. This pattern of establishing implementation dates and freezing operational capability will be followed for subsequent versions.

c. Some difficulties may be encountered with Version 1 that require immediate correction. I will ensure that if these corrections affect the users of the system in any way, they will be published prior to the change.

2. There are several recognized weaknesses in Version 1; the most significant ones are:

- 2 -

Subject: Policy on Development of OCS Interactive Services

- a. Users of the current TSMON services will experience slower response time. In some cases this may be serious.
- b. A person using TSMON services at a terminal will not be able to shift automatically over to CMS or APL (or vice versa). Manual intervention will be required at the computer for such a change.
- c. The procedures for sharing files among the terminals and for allocating disk space to users will be cumbersome.
- d. Log on procedures will be different for each class of service.

While I am aware of the inconvenience caused by these problems and share with the users the desire to overcome them quickly, I feel that the advantages of the approach described in paragraph 1 far outweigh the benefits of implementing individual improvements one at a time. The instability caused by the latter approach could severely undercut user confidence in the system.

25X1A


Information Processing Coordinator
Science and Technology

cc: C/IPS/OPPB
DDS&T ADP Officers
OCS Div and Staff Chiefs

CONFIDENTIAL

8 OCT 1969

MEMORANDUM FOR: Chief, Management Support Division, OCS
THROUGH : Deputy Director, Personnel Security
Chief, Support Services Staff
SUBJECT : Interactive Computer Support

1. The Security Records and Communications Division has been receiving support from the Office of Computer Services Interactive Computer System for approximately one year. During this time, the system has been used to service priority SANCA name checks and response time has been good to excellent. The average SANCA check was completed in about ten seconds.

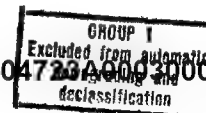
2. During the past several months, the Control Program (CP) system was installed during the late afternoon hours on a test basis and on 6 October 1969, it was installed on what is apparently a permanent basis.

3. A serious degradation in service during the hours when CP has been installed prompted SR&CD officials to meet in early September with representatives from your Division and the Interactive Services Staff. At that time we expressed our concern for this situation and we were told that attempts would be made to improve the services before CP was permanently installed.

4. Since 6 October 1969, Interactive Computer Support for the SANCA system can only be described as unacceptable. Name checks that formerly required seconds to complete are now requiring minutes. A manual name check can now be completed faster than a computer name check. This situation defeats the purpose of the SANCA system. Furthermore, we have not been able to log-on the system until after 1030 hours which represents an additional handicap to our operations.

5. As a result of this situation, we are requesting that you take action to restore acceptable service to this Division

CONFIDENTIAL



CONFIDENTIAL

SUBJECT: Interactive Computer Support

for the SANCA system. We are also concerned with the effects of CP on the planned SPECLE Interactive System which will require approximately a ten second or better response time from 0800 hours to 1730 hours each working day.

25X1A



Chief, Security Records and
Communications Division

Distribution:

Orig. & 1 - Addressee

1 - Chief, Support Services Staff

CONFIDENTIAL

Bob,

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

7 Oct 1969

It's difficult to be specific about what will happen with these new time sharing systems. During an operational test SANCA response times averaged about a minute, under "normal" conditions response was rarely longer than 10 seconds. These figures are not precise since no one clocks them, they

25X1A

come indirectly from [redacted] The Office of Security has complained to OCS about SANCA service under the Cambridge Monitor System as well as SANCA interruptions due to COINS. Stating what I do is difficult to sort the two sources. I believe this current is saying that the degradation of response time under CMS is their major problem. One segment of OCS, the scientific side, is not impressed with this problem, they feel one minute is more than adequate for SANCA. I gather that [redacted] feel this attitude is shared by OCS management.

25X1A

Again this is hearsay I have no hard facts other than the degradation of response time under CMS and the two or three meetings between [redacted]

25X1A

and [redacted] which focused on this problem.

25X1A

^{of Scientific Applications}
The problem as I understand it is that SANCA runs under the OCS developed Time Sharing Monitor (TSMON). This is a comparatively simple straightforward system that worked reasonably well, so long as it had a major share of the control of the machine within itself. Under the new service TSMON is moved down a notch, and ~~then~~ Now, the Cambridge Monitor System (CMS) ~~which~~ operates under

the Control Program (CP 67) allocates a portion of the machine to TSMON. TSMON has to compete for resources with another program rather than with itself - the result is that it takes longer for TSMON to respond.

A partial answer to this problem is to abandon TSMON and move jobs like SARC to the CMS. This will have to be done but it will take a while. I do not begin to understand all of the complications in this but I know enough to know that it ain't easy. One area of difficulty is in how the Monitor (TSMON or CMS) relates to and works with the terminal, another is in "log on", log off procedures, and still another is in how remote batches are handled.

This latter problem is a potential source for long range trouble. Batches are "backgrounded" (what a wad!) and pushed off the system when on-line query work absorbs machine space. As it happens much of the DDS business can be handled quite nicely as remote batches. Requisitions are a good example along with Personnel actions and Vouchers from the O/F area. The Data Management Center would be the remote station for batch input and so forth. A likely prospect is that with finite hardware, software systems and a growing processing load a balance will never be achieved.

Beyond this kind of problem is the fact that OCS does not intend to stay with one version of CMS for any extended period of time. As [] near says they will begin work on Version II in parallel with an operating version I. In the past many times

that the DDS does not need this kind of hardware software environment. We require a stable, powerful system but with reverse priorities. Remote batches should get first preference with ~~on~~ on line query "backgrounded". CP67 and CMS will probably shake down ~~and~~ ^{and} ~~be~~ ^{be} powerful enough but there is some question about stability. SIPS will probably be ready to roll about the time version II becomes operational - will we have to worry about version III?

This seems to me to begin to lay the foundation for justifying a "stand alone" hardware installation. We are trying to get started on this but with modest success. I believe a move or two is in the offing which will be helpful.

None of this is arguable at this point - there isn't enough fact on either side. The only difference is that OCS acts on its hunches and opinions while we can't.

August 6, 1969

MEMORANDUM FOR: Chief, Security Records & Communications
Division

SUBJECT : SANCA (Surname Grouping)

REFERENCE : Your memo, same subject, dated 6/30/69

1. Management Support Division, OCS, concurs in your approach to the name grouping problem and how it will eventually be used in the SANCA project. However, it is our understanding that maintenance work necessary to identify SANCA records for other systems and any other maintenance work not previously planned for the SANCA system will be done on a "resources available" basis. This arrangement does not preclude the consideration of high priority new requirements that may become apparent at a later date.

2. I feel it necessary to point out that any reference to the commitment or use of OCS resources, particularly where such reference is concerned with the extent of programming effort, must be coordinated with this Division in order for such commitment to be meaningful. This procedure need not rule out our excellent continuing informal communications and understanding.

/s/
[Redacted]
Chief
Management Support Division

25X1A

Distr.

orig + 1 - Addressee
1 - HRS Team
1 - SSS/DDS
1 - Chrono

82-100100

IPC Projects

CONFIDENTIAL

30 JUN 1969

MEMORANDUM FOR: Chief, Management Support Division/OCS

SUBJECT : Access of DDP Surname Grouping Files

1. The purpose of this memorandum is to notify your office of our intent to utilize the DDP Surname Grouping Files for the purpose of automatically generating additional search requests for the SANCA system on an exception basis. The attached memoranda provide more detailed information concerning our intentions.
2. As you may gather by reading the attachments, this is a fairly long-range goal since it will take about two (2) years for this office to complete the grouping of its unique surnames, but it may be possible for us to utilize a partially grouped file in about one (1) year if resources in OCS and DDP permit.
3. As you know, the DDP Name Grouping Files are presently stored in the same storage device that contains the SANCA file, therefore we would hope that additional file storage space will not be needed to accommodate this system.
4. We would appreciate your comments on our proposal especially if you can suggest alternate methods for achieving our goal of obtaining an automatic surname variant capability.

25X1A

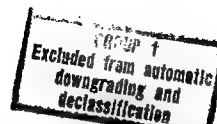
Chief, Security Records and
Communications Division

Distribution:

Orig. & 1 - Addressee
1 - C/SSS/DDS

0000280

CONFIDENTIAL



CONFIDENTIAL

28 MAY 1969

MEMORANDUM FOR: Director of Security

THROUGH : Deputy Director, Personnel Security

SUBJECT : Utilization of Name Grouping to
Supplement SANCA System

REFERENCE : Memorandum dtd 7 April 1969, SG-69/105

1. The purpose of this memorandum is to obtain approval for expanding the capabilities of the SANCA Index System to include access of the DDP surname groupings. Officials in the Security Records and Communications Division (SR&CD) feel that access of the surname groupings, maintained by DDP, is the next logical step in the development of this system, especially since the name groupings are primarily developed and maintained by DDP personnel and have been placed at our disposal (see referenced memo). An adequate given-name variant system already exists in the present SANCA system.

2. The system concept proposed by SR&CD is not the full surname, given-name grouping system being developed by DDP, but a more simplified system that will utilize surnames only and allow us to retain the present SANCA system as an alphabetically organized file. (The DDP system will require that the file be organized by group numbers.) Programming is kept at a minimum in this type of modular systems approach since the surname groupings will only be used on an exception basis, when requested, in order to automatically build additional search requests for input into the present SANCA system.

3. Another feature of this type of systems approach is that reorganization or updating of the surname grouping files by DDP can be done without affecting the SANCA system since we will be using the grouping files only as a research tool or dictionary. "New Editions" of this dictionary will have no affect on our SANCA file. SANCA updating likewise will have no affect on the grouping file.

4. Another feature of this system's approach is that only those surnames in the name grouping file previously coded as

CONFIDENTIAL



~~CONFIDENTIAL~~

having occurred in the SANCA system will be used to generate additional SANCA searches. This can be accomplished since DDP Systems Group has agreed to include a code in its surname collection indicating the particular name spellings that exist in SANCA (see referenced memo, paragraph 9). This feature will allow us to utilize the entire DDP name element tables to locate a group of surnames, but once we locate the grouping, we will use only those names occurring in SANCA to build additional SANCA search requests. This feature will keep additional input requests at a minimum.

5. Resources to implement this system include an estimated 4.5 man years of name-grouping effort needed to complete the grouping of approximately 170,000 SANCA unique surnames that are not yet grouped in the DDP system. The DDP Systems Group has agreed to train OS name groupers for this effort (see referenced memo). It is estimated by SR&CD that less than one man year of programming effort will be required by the Office of Computer Services to write the necessary programs.

6. If the Office of Security decides to utilize this modified name grouping system, it will considerably improve the capabilities of the present SANCA system which is the only operational computer name check system in the Intelligence Community. It should be noted that the proposed computerized Defense Central Index System will be very similar to the system proposed in this memorandum due in part to the influence which the SANCA system has had on their planning.

7. It is our recommendation that the Office of Security approve the utilization of the name grouping files as stated above, especially in light of the fact that most of the costs related to this system have been and will continue to be borne by the DDP. We will, in fact, be sharing an existing Agency resource. We would further recommend that one staff clerical position be assigned to SR&CD, on a temporary basis, to complete the grouping of the surnames. SR&CD will provide one clerical slot to match this so that the grouping can be completed in approximately two years.

8. An alternative to the assignment of staff slots to this project would be to approve sufficient contract funds to hire two experienced employees from our

25X1

~~CONFIDENTIAL~~

CONFIDENTIAL

who will be retiring within the next year.

9. The utilization of the name grouping files has been included in previous five year ADP planning reports.

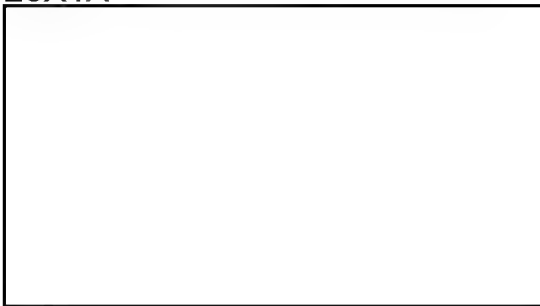
25X1A



Chief, Security Records and
Communications Division

Attachment:
As Stated

25X1A



SECRET

10/1/80

CONFIDENTIAL

~~SECRET~~

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

7 April 1969

CC-69/105

MEMORANDUM FOR THE RECORD

SUBJECT: Office of Security Plans to Utilize the Name Grouping System (NGS)

1. In 1968 this office undertook the task of grouping, by computer program, surnames occurring in Office of Security (OS) SANCA index records. These index records lead, in turn, to dossiers on personalities of interest to OS in much the same manner as SIS (RID's mechanized 201 system) serves the Clandestine Service. The computerized name grouping was undertaken to determine what assistance NGS might provide to OS in grouping their SANCA names.

2. The results were as follows (based on [] SANCA surnames):

25X9

53% of the SANCA surnames were matched and grouped in NGS;
7% of the SANCA surnames were matched but ungrouped in NGS;
40% of the SANCA surnames were not matched in NGS.

Virtually all of the SANCA surnames which matched NGS surnames were grouped; however, 40% of the SANCA surnames had never occurred in our name file and therefore could not be grouped.

25X9

3. It is worthwhile noting that the NGS grouped surname file has increased by [] in the intervening time. It is entirely possible that another comparison of the two files might increase somewhat the percentage of grouped SANCA surnames.

4. Since the Name Grouping Display Subsystem (NGDS) was made available to users of the OCS time-sharing system, OS/SR&CD (SANCA) have relied upon this system to provide them with variations of the name to be traced which they then manually search in the SANCA system. Since NGS display files (NGDS) are in the "public domain", this office does not foresee any impediment to SANCA's continued use of this system for as long as it remains on the OCS time-sharing system.

5. We have been informed by OS/SR&CD ([]) of their plans to hire one or two retirees on contract to group SANCA surnames not yet grouped by NGS. This work could commence toward the end of 1969. OS/SR&CD plans to use NGS input forms and procedures when grouping these SANCA names and pass the input transaction forms on to NGS for loading into our name file. Any SANCA names grouped in this manner, as well as any

25X1A

~~SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

-2-

SANCA names grouped by NGP name groupers, would subsequently be available on the NGS display system. When the backlog of SANCA names is cleaned up, [] plans to continue submitting input transaction forms to NGS to group any new SANCA surnames which may occur to ensure that all SANCA surnames are grouped.

25X1A

6. Since it has been our policy in the past to accept grouped names from several non-Agency sources as a means of increasing the effectiveness of NGS, we foresee no problems in this regard. Any grouped names added to NGS tend to increase the possibility of getting into a name group when doing a mechanized name search in the automated 201 index.

7. We have offered to train the SANCA name groupers in the NGP area (GFE 50) for the time necessary to become familiar with our grouping rules and procedures, etc. (probably one or two months). Thereafter, they would work in OS-provided space under OS supervision grouping SANCA names.

8. We have also offered to provide these SANCA name groupers with copies of the NGS files on microfilm to assist them in grouping SANCA names. We might possibly be in a position to make available, on loan, viewers for these microfilm lists, but our projections in this regard are not firm due to other commitments. If OS wishes to obtain their own viewers, they can be rented commercially for \$40.00 per month, or purchased for \$1200.00 per viewer. If the SANCA name groupers did use the microfilm lists in their grouping, they can also make available supplemental lists of new additions to the NGS files. These supplemental lists are usually produced every three or four days and provide up-to-date information on all cumulative transactions against the NGS files since the previous microfilm. Alternatively, the SANCA name groupers could review the NGS files on the OCS time-sharing system if they have access to a Model 2260 CRT display device.

25X1A

9. [] asked when we could install an indicator code on the Name Grouping Display System which would allow SANCA name trace personnel to identify SANCA surnames appearing in the file. This will be necessary particularly if OCS modifies SANCA search programs to access NGDS files to retrieve these variant SANCA surnames and automatically generate additional searches into the SANCA file. We estimate this can best be accomplished when NGS is converted to S/360, which should take place in early or mid 1970. At that time, we plan to install our sort codes, as well as the OS sort codes, in the NGS alpha and group files.

10. We plan to continue the name grouping project in support of SIS and STAR/WIS. We are considering either reducing or eliminating

~~SECRET~~

-7-

related group indicators in RGS. This proposal is prompted in part by our experience with related groups in SIS name tracing. There we observed that related groups contribute upwards of 50% of our irrelevant output but provide us with less than 3.5% of our "hits".

11. We calculate that about eighteen man years of effort has been expended by the CS in the name grouping project (excluding SA and programmer time), in addition to grouped names that have been obtained from non-agency sources. If there are approximately [] SANCA sur names remaining ungrouped, we estimate it will require 4.5 man years of effort to complete the SANCA name grouping (assuming a grouping rate of twenty names per hour).

25X9

25X1A

DDP/CG

25X1A

cc: OS/SR/CD

[]

UNCLASSIFIED

☐ INTERNAL
USE ONLY☐ CONFIDENTIAL☒ SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Utilization of Name Grouping to Supplement SANCA System

FROM:

Chief, Administration and Training
Staff, 4E-69 Hqs.

EXTENSION

NO.

DATE

25 JUN 1969

25X1

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S
INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1.
25X1

Director of Security

2.

DD/PS

3.

C/SR&CD - G-E-31

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

In compliance with the request from the Director of Security concerning the availability of slots for SR&CD, the following information is furnished:

a. If the Director of Security approves the utilization of the name group files as requested in the attached memorandum dated 28 May 1969 from Chief, SR&CD, it is recommended that the clerical personnel required for this activity be provided as follows:

(1) That SR&CD provide one clerical slot as indicated in paragraph 7 of the attached memo.

(2) That the Director of Security authorize SR&CD to carry one clerical employee in the GS-04 or GS-05 level on an overstrength basis to assist in the grouping of the surnames.

Approved for
above

25X1A

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

610

USE PREVIOUS
EDITIONS☐ SECRET☐ CONFIDENTIAL☐ INTERNAL
USE ONLY☐ UNCLASSIFIED

CONFIDENTIAL

*IPC - Projects
SANCA*

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

19 December 1968

MEMORANDUM FOR: Chief, Support Services Staff/DDS

SUBJECT : Designation of Project Contact
Officer for SANCA

1. In accordance with your request to the Special Assistant for Automatic Data Processing, Office of Security, the following individual has been designated Project Contact Officer for SANCA:

25X1A

Office Address: Security Records & Communications
Division, Office of Security
Room GE-31, Headquarters Bldg.

Home Telephone:
Office Telephone:

25X1A

Chief, Executive Staff
Office of Security

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

CONFIDENTIAL



Projects - SANCA

SECRET

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

6 December 1968

MEMORANDUM FOR: Special Assistant for Automatic Data
Processing/ES/OS

Don:

25X1A Confirming my telephone conversation of 5 December, Leo
[redacted] is planning a briefing tour for [redacted] Chair-
man of the Information Handling Committee on 13 and 14 January 1969.
He would like to include about a thirty minute briefing on SANCA some-
time on the 14th of January and they would like to include the name
grouping display as a part of the presentation.

25X1A

The exact time for the SANCA presentation has not been set yet
but someone will be in touch with you with additional details as they
develop.

/ [redacted]

Chief, Support Services Staff

25X1A

0000000

844100100

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

CONFIDENTIAL

IPC Projects
SANCA

RHW
FB
THM
RS

RHW
FB
THM
RS

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

25 October 1968

MEMORANDUM FOR THE RECORD

SUBJECT: SOMIS

25X1A

25X1A

1. I met today with [redacted]

[redacted]/DDP. [redacted] had asked for a new report from SOMIS which would require additional programming; it had been agreed earlier that this kind of request would be held until Phase II SOMIS. (DDS systems responsibility)

25X1A

25X1A

25X1A

2. [redacted] indicated at the outset of the meeting that [redacted] could not expect to have his request honored until Phase I was completed. The discussion then turned to a fairly lengthy review of the uses to which this documentation would be put.

25X1A

3. We told [redacted] that SOMIS would be subjected to the same kinds of management review accorded all ADP projects and that to insure a good review documentation became the key ingredient. This documentation should cover SOMIS processing from data source through output use and disposition. We pointed out that documentation of the computer system was in good shape but that we had virtually nothing available to us on how data was collected and processed prior to being sent to Headquarters and then what was done with the reports after they were received from OCS. It was agreed that [redacted] get this documentation in order and added to the package.

25X1A

25X1A

4. [redacted] defended the old point of view that these things are better done off-the-cuff and with a minimum of formality. We all agreed that this was more fun and occasionally more productive but added that these days are gone, possibly not forever but at least for now.

25X1A

5. The question of DDS involvement came up. I told [redacted] he was at liberty to raise this issue since I felt that SOMIS was an exercise using operational data. We reminded [redacted] that the DDS was involved because Mr. Fitzgerald and Mr. Bannerman agreed that we (DDS) should be. If SOMIS has changed complexion since then (and it has) then the question of management channels should be raised again. I said that the best way to do this was with the kind of documentation we were discussing.

25X1A

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

CONFIDENTIAL

Excluded from automatic
downgrading and
declassification

CONFIDENTIAL

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

25X1A



25X1A 7. The meeting concluded by reemphasizing the need for documentation that [redacted] would assist [redacted] in preparing this documentation and that we would use the documentation to (1) get management approval for SOMIS and (2) determine the appropriate management channels for SOMIS.

25X1A

25X1A



CONFIDENTIAL

1PC-Projects *Sanca*

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

C-O-N-F-I-D-E-N-T-I-A-L

8 March 1968

SUBJECT: Security Automated Name Check Activity (SANCA)

1. The purpose of this Memorandum is to provide procedural instructions and guidelines for Headquarters employees of the Office of Security regarding the new Security Automated Name Check Activity (SANCA) search system.

2. Effective in February 1968, a new SANCA search system was initiated. This system is still based on magnetic tape as the primary file storage media, however, the number of tapes necessary to store the more than index records has been reduced from 21 to 5. This new system is capable of accomplishing about 3,000 name checks in about one hour. It also provides SR&CD with the capability to conduct two batch searches each working day when required. The Office of Computer Services has been requested to make provisions for this.

3. The new system is more flexible and includes the following modifications:

a. Data on retired files will appear on the basic search output document and the charge cards. The code /W will precede this data on the search document and the words "FILE LOCATION" will precede this data on the computer produced charge cards. Within the near future data of files permanently charged will also appear on the search output.

b. Double barrel names in the SANCA index will be listed as "hits" if the first word of the last name matches the name requested. For example, a search of the surname GONZALEZ will produce hits not only in that name but on such double barrel names as:

1. GONZALEZ ARIAS,
2. GONZALEZ BATISA,
3. GONZALEZ GARCIA,
4. GONZALEZ GONZALEZ,
5. GONZALEZ-LONGORIA, and others.

C-O-N-F-I-D-E-N-T-I-A-L

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

C-O-N-F-I-D-E-N-T-I-A-L

c. First and middle names can be varied by substituting "question marks" (?) for individual characters and the "pound signs" (#) for parts of the name but only at the end of the name. For example, a search of SMITH, MAR# ? ATHERIN? will produce the following hits:

1. SMITH, MARY CATHERINE
2. SMITH, MARIE KATHERINE
3. SMITH, MARIANNE KATHERINA

d. Data used to restrict a search will appear on the basic search output document on the same line and to the right of the name being searched. Restrictors are preceded by the following codes:

1. T = Type of file being searched.

Example: T = S means subject files only searched.
T = O means overt files only searched.
T = C means covert files only searched.

2. B = Year of birth.

Example: B=23(5) means the subject of the name search was born in 1923 and any record in SANCA five (5) years prior or subsequent to that date will be accepted as a "hit".

3. S = Sex.

Example: S = M means the subject of the search is a male.
S = F means female.

4. C = Special search code.

Example: C = 1 means no hits with initials only were listed.

C-O-N-F-I-D-E-N-T-I-A-L

C = 2 means that the various configurations of a double barrel last name were not searched.
C = 3 is a combination of C=1 and C=2.
C = 4 means that an exact "on-the-head" search only was conducted.

e. The date of information, formerly known as the record creation date, is now being compared with the date of birth (when known) of the subject being searched. If the index record was created before the subject reached 15 years of age, the computer assumes that the index record is not a hit even though the names are the same.

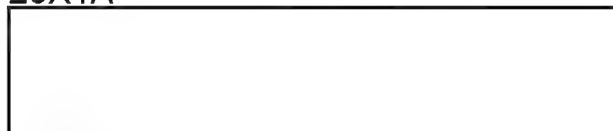
4. Users of the SANCA system should pay particular attention to the restrictive codes appearing on the search documents in the event that they indicate that the search was not conducted as was originally intended by the user. Users are also reminded that it is their responsibility to indicate which name variations, if any, are required when requesting name checks.

5. Additional copies of this Memorandum, answers to questions, or a more detailed briefing of the new system can be obtained by contacting [] of SR&CD on extension []

25X1

25X1A

25X1A



Deputy Director of Security
for Personnel Security

11 July 1967

MEMORANDUM FOR THE RECORD

SUBJECT: SANCA-COINS Time Sharing

25X1A 1. On Wednesday 5 July 1967 I attended a meeting called by Leo [redacted] to discuss the problem which has been posed by the DDS decision that Agency administrative information cannot be processed on computing equipment in a time sharing mode with applications being processed on line by agencies outside CIA until software problems have been solved permitting absolute compartmentation internally within the equipment. Others present were [redacted] of the Information Processing Staff, OPPB; [redacted] of the Office of Computer Services; and [redacted] of the Office of Security.

25X1A
25X1A
25X1A

2. The problem posed for the group to consider was whether or not one or two discrete times can be defined during the day when COINS files can be locked out of the 360/40 to permit processing of SANCA queries. While not presuming to speak for the Office of Security, [redacted] felt that any solution which prevented Security from having immediate access for any part of the day would be unacceptable from a system point of view. [redacted] made the point, however, that Security would obviously accept the decision of Agency management. I agreed but said that I felt Security would want to be satisfied that the consequences of such a decision were fully known to the deciding authority before the decision was made. The primary consequence of a decision to limit accessibility of the SANCA file to specified times during the day would be that it would totally negate the primary objective which was to be served by automating the SANCA file in the first place. Security must have the capability of doing instantaneous searches to respond to ad hoc requirements from whatever source at the time they occur. For this reason they are now maintaining their full manual file even though all routine searches are batched and serviced overnight by the Office of Computer Services. I said Security would have statistics to show the number of such requests they get from day to day but the judgment would probably not be based upon a statistical analysis in any case. Security feels that if they have a priority

25X1A

~~SECRET~~

request for a search from the White House, the Congress, the FBI, the Director of Central Intelligence, or any number of other sources, they must be able to respond immediately even if they only get one such request a day. They respond to this kind of request now by conducting a manual search and responding within a matter of minutes or a few hours.

25X1A

3. [] asked whether we thought this kind of requirement would justify stand alone equipment for the Office of Security. I said that I didn't think that was the issue. The question is whether the Agency is willing to invest in separate equipment to process the COINS applications. The SANCA files can be run in a time sharing mode with other internal Agency files but not with files which are subject to external query. There will be other Agency administrative files which could share time with the SANCA file but which would also be precluded from processing on a computer which is accessible outside the Agency.

25X1A

4. [] asked whether the percentage of time Security would require to satisfy its requirement for instantaneous response and the amount of CPU capacity it required was sufficient to justify the cost of the system. [] both responded to this question by saying that it wasn't a question of efficient use of hardware and its costs; it was rather a question of system effectiveness. I agreed with that and elaborated upon it by saying that there had never been any attempt to justify the SANCA system in terms of hardware utilization and costs nor did we intend that there be one now. The theory has been that the equipment is available in the Office of Computer Services to satisfy the Agency requirements and that the Security requirement is sufficient to justify its use of that portion of the equipment which is required to provide the service in a time sharing mode. The fact that Agency administrative files cannot share time with requirements external to the Agency does not introduce a cost factor attributable to the SANCA system. It introduces a cost attributable to the external system because, as noted earlier, the SANCA file can be processed in a time sharing mode with other applications internal to CIA.

25X1A

5. Several other points were raised and discussed in the same way. The conclusion was that a proposal to limit the Office of Security to a specified block of time would not be acceptable because it would effectively wipe out the primary objective for automating this system in the first place. If the Agency decides that the Office of Security should function within a scheduled block of time, they can accept that decision and live with it but it will mean that they will necessarily continue to maintain their manual files

~~SECRET~~

SECRET

and clerks to service them in the several thousand square feet of space they presently occupy in the Headquarters Building.

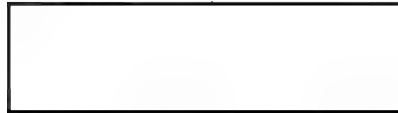
25X1A

6. The discussion ended there and [] said that his next step would be to discuss with [] in the Office of Security the exact requirements for instantaneous response to queries. He also will discuss with [] the feasibility of a priority interrupt system which would permit Security to query its file during blocks of time allocated to COINS by shutting the COINS applications down long enough for such a query to be entered. He has agreed to let me know the outcome of these discussions and what his approach will be when he takes the problem to Colonel White for decision.

25X1A

25X1A

25X1A



Chief, Support Services Staff

SECRET

XERO
COPY

SECRET

6 July 1967

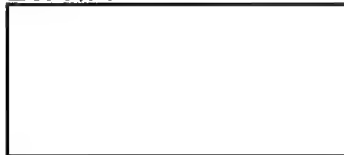
MEMORANDUM FOR THE RECORD:

SUBJECT: COINS/SANCA

25X1A

1. At the request of [] PPB, the following, including the undersigned, met this date to discuss further the COINS/SANCA problem:

25X1A

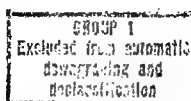


25X1A

2. [] briefly described the COINS program from its inception to the present. He said he understood the position of Security, and he realized a satisfactory method had not been found to safeguard another office's information from being furnished to an unauthorized customer using the same computer. This "spillage" concerned him from a security point of view.

3. By 1 August 1967, hopefully the IBM 360/40 will be installed for eventual use by SANCA and other Agency computer applications. Once the SANCA tapes are converted to random access and the inquiry station is installed on line in SR&CD with the computer, the ultimate has been reached for SANCA - that of making a search directly with the computer rather than batching punch cards for searches at night which is currently the operation now. At this period in time, estimated between October-March 1968, a connection with the 360/40 and the DIA store and forward switch would permit the COINS operation to commence if authority to go ahead is granted. Files for the COINS test operation have been selected and would involve the same computer as SANCA.

SECRET



XERO
COPY**SECRET**

25X1A

4. [] said that the logical answer would be to get another computer; however, there is no money for one. He said he did not want to degrade the SANCA system, but if he could at least have two hours of prime time for COINS on the computer, e. g., 8:00-10:00 a.m. or 12:00 noon-2:00 p.m., he could satisfy the Agency's position as "our contribution to COINS." He said that the desired time should satisfy the constraints of Security. Furthermore, he desired to know the time frequency of urgent requests for name searches in Security. He said the COINS people would like four hours, but he felt two hours time would satisfy them.

25X1A

5. [] on the SANCA system, the types of cases processed, the priority nature of searches requested and extended to him an invitation for a tour of SR&CD. Further emphasis was placed on the need to retire the 3 x 5 card files and rely solely on the use of the computer in making name searches by remote hookup at any time of the day. With COINS operating on the same computer and sharing time with SANCA, OS would be required to maintain the duplicate record. The operating of the two systems - manual and computer - was heavily emphasized.

25X1A

6. In reply to the above, [] suggested "a priority interrupt" which could cut COINS off the air and place that operation in a standby position while a priority name search was conducted for SANCA. A physical or electronic disconnection, according to Dr. [] would prevent unauthorized access to either files.

25X1

25X1A

7. [] brought up the fact that PFIAB is writing a letter to the President on COINS which has been shown to CIA and there were "some things which we did not like." If CIA can furnish two hours a day on the computer for COINS, "the Agency would look good if the PFIAB letter goes to the President."

8. It is anticipated that the COINS test will run at least a year. The actual starting time is unknown; however, it will begin when the circuits are tested.

25X1A

9. [] was informed that the DDS was greatly interested in this matter, as well as the Director of Security, and that it was

SECRET

SECRET

necessary to confer further before making a definite commitment. Indications were given to him that we could possibly live with the two hours for COINS from 8:00-10:00 a.m. I advised him that he would hear from us without delay.

25X1A

C/EPD

SECRET
3

SECRET

6 July 1967

MEMORANDUM FOR: Chief, Executive Staff

SUBJECT : COINS/SANCA Discussions

25X1A 1. Your attention is invited to the attached report by Mr. [] who attended a meeting on 5 July to discuss some problems concerning multiprogramming and time-sharing of the IBM 360/40 system soon to be installed in OCS. [] PPB, who called the meeting, is Chairman of the CIA COINS Task Force.

25X1A

2. In a status report dated 26 May 1967, [] advised the Executive Director-Comptroller "that the DDS has insisted that CIA internal administrative data such as SANCA could not be loaded on the same machine with the COINS system unless there were a complete hardware lockout between them or its equivalent -- COINS files physically disconnected while SANCA is running and vice versa At present both SANCA and COINS have a requirement to be in an operational state during the prime shift, so unless we can develop a secure partitioning of these systems, we must either acquire another computer including additional space to house it or abandon a part of our processing plans." [] concluded his report by stating "every effort will be made within the resources presently planned for COINS to effect a connection between CIA Hq. and the Central Watch at DIA in the early stage of this experiment."

25X1A

3. At 4:00 today, [] and the undersigned will be meeting with []. The specific nature of the meeting is unknown; however, there is no doubt that it will involve discussions pertaining to COINS and SANCA. Our position in this matter will be the same as expressed in [] memorandum.

25X1A

25X1A

25X1A

25X1A

25X1A Signed

[]

Chief

Executive and Planning Division

8 AUG 1967 106

Attachment:

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

SECRET

SECRET

5 July 1967

MEMORANDUM FOR THE RECORD

SUBJECT: COINS/SANKA

25X1A

1. [] PPB, called a meeting this date in an attempt to resolve some problems concerning multi programming and time sharing of the IBM 360/40 system soon to be installed in OCS. This is the only computer currently scheduled in OCS for multi programmed time sharing applications. OCS's original plans were to utilize this machine for the Office of Security indices (SANKA); FMSAC's files, which range from unclassified through codeword material; and the Agency participation in the inter-Agency computer on-line intelligence network system (COINS).

2. At the present time software and hardware features cannot guarantee that one office's files would not be subject to unauthorized access by another component sharing this computer. Therefore, COINS cannot share this computer because of the possibility of files being inadvertently disclosed outside of this Agency.

3. Those in attendance at the meeting were [] and two other representatives of PPB, [] C/SSS/DDS, [] C/Applications Division, OCS, [] Management Support Division, OCS, and the undersigned. [] asked if the Office of Security could give up some of its prime computer time and remove its data files from the computer so that the Agency could participate in COINS. For example, it would mean that the Office of Security could have on-line computer response from 0800 to 1100 hours. Our files would be removed and COINS mounted and operated from 1100 to 0100 hours and then we go back on line for the remainder of the day. [] spoke on behalf of the

25X1A

25X1A

25X1A
25X1A
25X1A

25X1A

1300
SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

SECRET

Office of Security stating in essence that the Office of Security cannot give up its prime time as this would not accomplish the purpose for which SANKA was created and would cause the Office of Security to maintain both its manual search system as well as the computer based system. This would be expensive to the Office of Security in both manpower and space utilization as the manual system was to be used only as an emergency or backup system. Based upon previous conversations with [redacted] C/SR&CD and [redacted] Executive Staff, the undersigned and Messrs. [redacted] supported [redacted] position:

4. [redacted] advised that any decision reached on this point must take into account its impact on the Office of Security and that the requirement for a separate computer for COINS would be based solely upon the Agency's participation in COINS rather than the inability at the present time to time share a computer because we can time share a computer solely within the Agency until such time as adequate software and hardware safeguards can be designed.

5. The undersigned advised the group that he could not speak for the Office of Security and preferred that additional security personnel be present [redacted]

[redacted] indicated that there would be an additional meeting called in the near future concerning this problem.

25X1A

HCC:jlr

CC: C/SR&CD
C/Executive Staff

SECRET

Committee - COINS

SECRET

11 July 1967

MEMORANDUM FOR: Chief, Executive Staff

SUBJECT : COINS/SANCA Network

25X1A

1. Our meeting with [] on 6 July 1967 can be summarized in a few words - that of securing from the Office of Security two hours of prime time on the computer for COINS, an interagency project, once the IBM 360/40 and the inquiry station are installed. When this is accomplished, SANCA will have the capability to make searches anytime of the day directly to the computer from SR&CD. [] recognized the possibility of the spillage problem to an unauthorized office with COINS, SANCA, and FMSAC information being in the same computer.

25X1A

2. [] suggested a priority interrupt, if OS authorized prime time for COINS, wherein COINS could be cut off the air and placed in a standby position while a priority search was conducted for SANCA. On this point, [] who is in charge of the Computer Center, advised there is a priority scheduler in the IBM 360/40 which allows one job to be taken off and another job put on. He said there should not be any spillage if the computer works correctly.

25X1A

3. [] OS representative to the [] Group, was asked to discuss with [] personally the COINS/SANCA problem and to ascertain whether the DDS has stated any position in the matter. [] was noncommittal with regard to the use of prime time and indicated he did not know the views of the DDS. Later, [] called me and said he had briefed the DDS on the problem who considers it more of an interim matter rather than a permanent problem "so long as OS can live with it."

25X1A

SECRET

4. With COINS operating on the same computer and sharing time with SANCA, OS, in all likelihood, may be required to maintain the manual card file if prime time of several hours is given to COINS. However, if a priority scheduled on the IBM 360/40 provides an interrupt for priority searches, at least two hours of prime time could be given to COINS with the assurance that SANCA information does not spill over to the COINS network and become available to unauthorized persons.

5. To assist [] in the COINS project, it is recommended that two hours of prime time, 8:00-10:00 A. M., be authorized on the IBM 360/40 with the provisos:

a. that the COINS project during the time permitted be interrupted to make OS priority searches.

b. that every effort be made to assure the sanctity of SANCA information from unauthorized disclosures.

25X1A

Chief

Executive and Planning Division

DISTRIBUTION:

Orig. - Adse.

1 - File

1 - Chrono

25X1A

C/EPD/OS []/tb (11 July 1967, [])

7/11/67

25X1A

was advised

this date - Coordinated
w/ c/Exec RFP -

NCS

SECRET

25X1

SECRET

10 July 1967

MEMORANDUM FOR THE RECORD

SUBJECT: COINS/SANCA

1. The matter of the priority ^{INTERUPT} intercept with regard to the IBM 360/40 was briefly discussed with [] who is in charge of the Computer Center.

25X1A

2. [] stated that there is a priority scheduler on the IBM 360/40 which allows one job to be taken off and another job put on. He said there should not be any spillage if the machine works correctly. He sees no problem for SANCA to interrupt COINS for a priority search if COINS is on the air.

3. [] said there were three ways to handle the interrupt and prevent spillage:

- a. Manual - Disconnect the cable.
- b. Key lock - Located in a large black box which by turning a key physically disconnects the file.
- c. Electronics means.

4. When asked where there was another computer which could handle COINS, [] said there is a 360/40 in ORD, located in the Ames Building, but it has the wrong configuration. He said there was no money to buy another computer.

25X1A

[]

Chief

Executive and Planning Division

SECRET

11 July 1967

MEMORANDUM FOR: Members CIA Coins Task Force

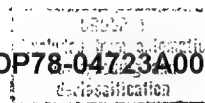
There will be a meeting of the CIA COINS Task force on
Friday morning 13 July at 1100 hours in Room 6E 0708 Hqs.
Building to discuss the attached draft CIA contribution to a
COINS progress report to CODIB.

25X1A

Chairman

Attachment
as stated

CONFIDENTIAL



D
R
A
F
T

CIA Contribution
to
COINS Quarterly Report

25X1A

DRAFT

7 July 1967

I. Status

B.3. CIA

a. Files. CIA plans to include three files in the COINS System. A brief description of each is presented below together with a report on status.

25X1A

1) [redacted] This file will consist of records on [redacted] considered important in CIA. It was built as an "authority" file to be used in indexing and retrieval operations in an experimental information system known as CHIVE which will be tested by CIA's Office of Central Reference. Various gazetteer-like sources and files of facility location information were collated and analyzed in the construction of this file. These included

25X1A

25X1

[redacted] and NIS Gazetteer, as well as data from the files of COMOR, NPIC and various OCR registers.

Data elements include:

a) CHIVE preferred name and spelling

25X1

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

Next 2 Page(s) In Document Exempt

Approved For Release 2002/09/03 : CIA-RDP78-04723A000300060001-0

-5-

b. System. The hardware situation and the status of software development is described below.

1) Hardware. CIA has on order for delivery in September an IBM 360/40. In the overall CIA plan this machine is to be used for early on-line applications with a CIA developed time-sharing control program. This is the machine on which the CIA COINS system will run.

In March 1968 an important non-COINS application will require the use of this machine. Currently, it is not known whether adequate software security safeguards will be available at that time permitting the use of this time-sharing machine for both COINS and this internal CIA application. Should they not be available, the internal application ^wshould be given priority, and COINS use of the machine would be restricted to a two-hour period during the normal working day.

The CIA COINS plan calls for four terminals, IBM 2741's. Their location within CIA headquarters has not yet been determined.

2) Software Status. The query language and the programs

ILLEGIB

-6-

and are operational. All other software required for the local CIA System is in the design ^{stage} status, with the exception of the time-sharing control program, an early version of which is now operating in a test environment.

The target date for completion of all software is 1 October 1967.

25X1

